

METHOD AND SYSTEM FOR MULTICAST SCHEDULING IN A WLAN

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ABSTRACT OF THE DISCLOSURE

A method and system for scheduling multicast transmissions in a WLAN involves transmissions between a Quality of Service (QoS) Access Point (QAP) (105) and a plurality of stations (110). The method includes transmitting a first group poll (410) from a QAP (105) to each station (110) in a
10 multicast group comprising a plurality of stations (110) (step 705). An active station (110) and inactive stations (110) among said plurality of stations (110) are then identified (step 510). Next, a directed Contention Free (CF) poll (425) is transmitted from the QAP (105) to the active station (110) (step 715). An inbound QoS data frame (415) is then transmitted from the active station (110)
15 to the QAP (105) (step 720). An outbound QoS data frame (420) corresponding to the inbound QoS data frame (415) is then multicast from the QAP (105) to the inactive stations (110) (step 725).